Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Manual	Date:	06/09/2017 11:55 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	Cytometer Baseline:	04/21/2017 12:22 PM
		P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124606	-1	2.24	124456	2.10
Blue	F	SSC	125000	124563	-1	3.36	124841	3.08
Blue	E	FITC	23355	22587	-4	2.45	1011	10.23
Blue	D	PE	28848	28529	-2	2.04	1028	9.68
Blue	B	PerCP-Cy5-5	47791	47183	-2	3.46	1356	16.47
Blue	A	PE-Cy7	41358	41431	0	5.12	639	34.47
Red	C	APC	51316	50569	-2	2.70	2916	9.24
Red	A	APC-Cy7	53225	52448	-2	2.72	1087	10.97
Violet	B	V450	14473	14092	-3	3.53	681	9.01
Violet	A	V500	59973	58629	-3	3.25	2613	6.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16682	7.23	604	6	N/A	N/A	Pass
Blue	F	SSC	61355	1.59	542	8	N/A	N/A	Pass
Blue	E	FITC	114	39.20	543	-1	0.0209	197	Pass
Blue	D	PE	226	28.45	539	1	0.1634	235	Pass
Blue	B	PerCP-Cy5-5	214	44.57	629	-1	0.0109	145	Pass
Blue	A	PE-Cy7	71	118.06	681	0	0.0128	23	Pass
Red	C	APC	342	26.87	590	-4	0.0214	65	Pass
Red	A	APC-Cy7	119	39.92	570	-6	0.0059	1754	Pass
Violet	B	V450	82	41.96	479	8	0.0413	1675	Pass
Violet	A	V500	190	21.87	511	10	0.0140	190	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.24	-31.67	0.78
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	18.44	13.27 - 19.91	N/A	N/A	31.75	32.19	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9830

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments